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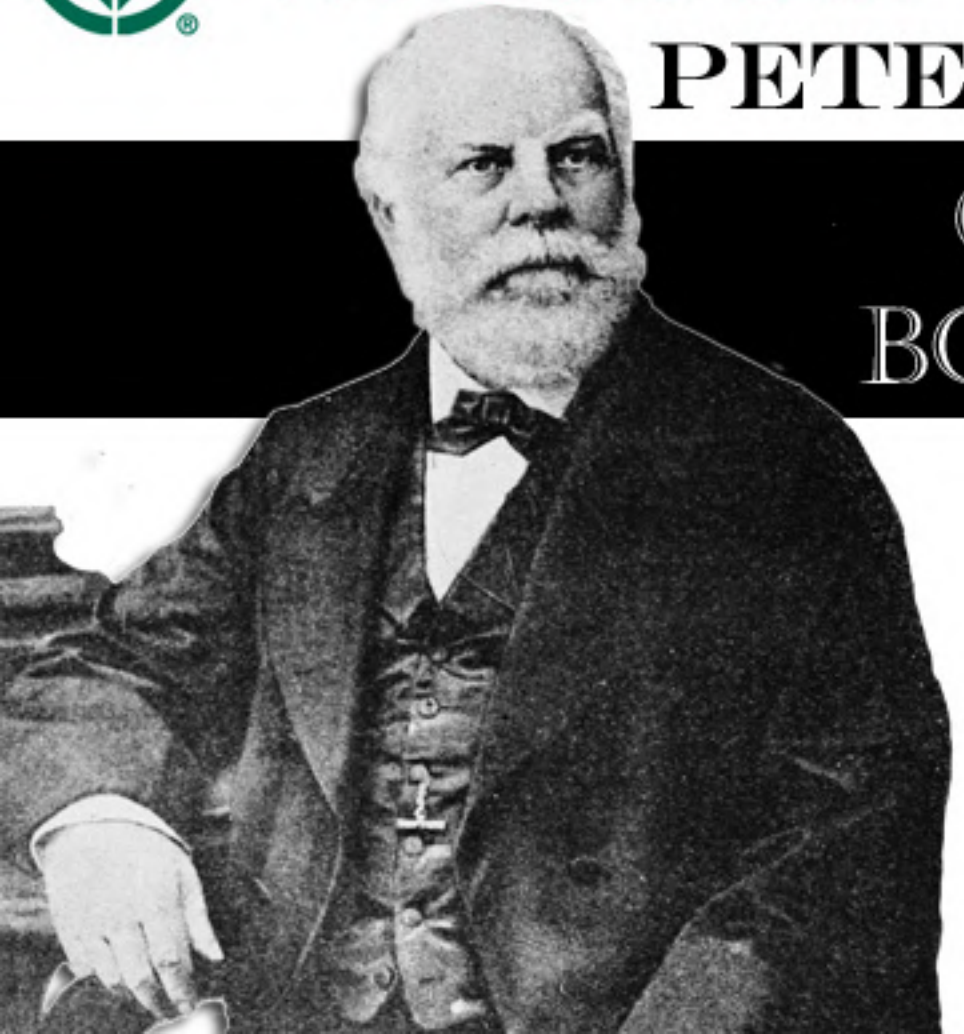

Pagination Note:
Since many of the items lack a specific page number, the page number displayed online refers to the sequentially created number each item was given upon cataloging the materials.

7500

1-14

Saxifragaceae

Ribesioideae s. Grossularieae

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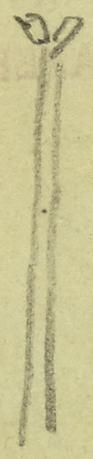
Rhus leptantha Engl
Type

June 1862

x 4



750

tube inside naked, slightly
infundibuliform, much longer
than the ovary
lobes longer than tube, spreading
petals rather long, more
than half as long as lobes
stamens same length — petals
style bifid at apex only
smooth

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Aiber ~~Burmanni~~ hirtellum
just ripening.
pulp still cohering

June 12th 1862

751

x 5

this part of
arillus was
imbedded in the
furrow a
arillus of
very different shape
in different seeds

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JONES & LEITCH,
DRUGGISTS,
Corner Fifth and Market Streets, St. Louis, Mo.

leptanthum

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Ribes rubrum

June 1862

ripe seed

Epidermis raised

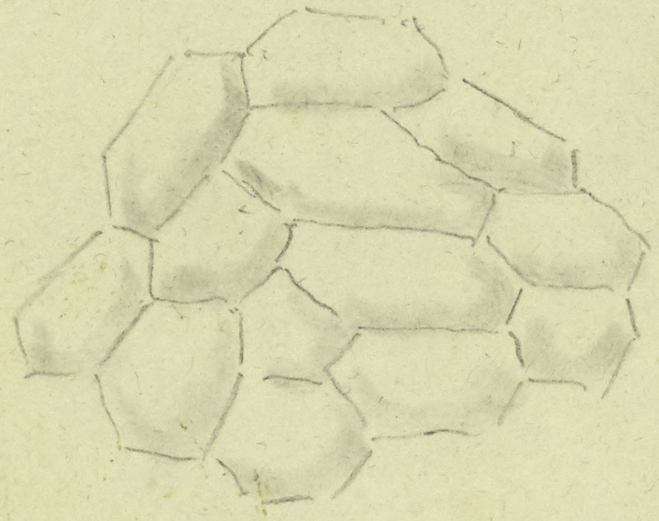
752

×5

Scar - funicle covered by epiderm

At full maturity the cells of the epidermis become empty, the juice fills the cavity of ovary, and the seeds form an empty bag. (See Saxifrag.

×60



surface of epidermis

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Ribes Grossularia

May 1862

753

Rank, full grown, but unripe.

×5

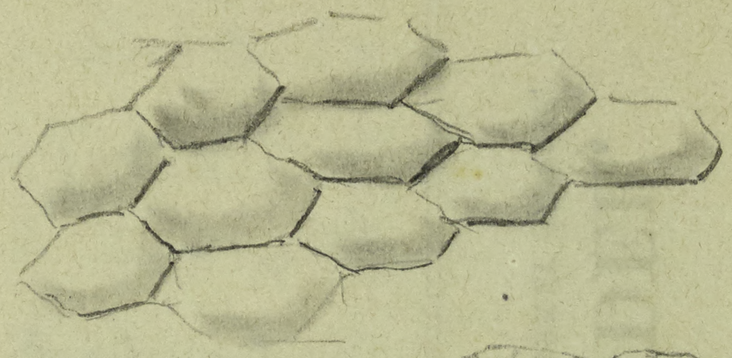
funiculi and placentæ agglutinated forming 2 large white fleshy masses

arillus and funicles

full grown, unripe

×5

×60



×5

Section. Quite correct?

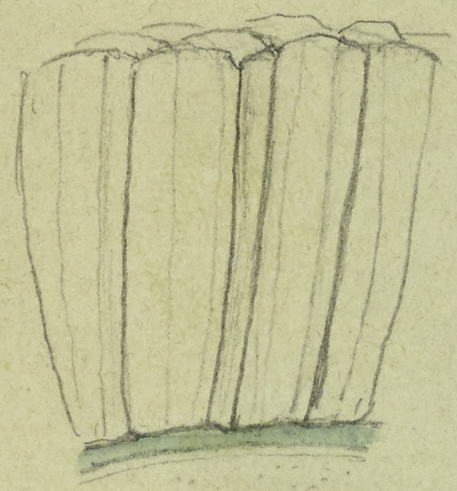
×60

over

×5

×60

cellular tissue of Arillus on different plates



perpdl sect. of cells.

Ripe seed, epidermis almost dissolving, arillus very large also dissolving into pulp

Arillus in some varieties much larger yet, enveloping greater part of seed

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ST. LOUIS.

in the original section the fasciculus was seen
thought to be seen extension to epidermis
but it is very evidently (seeds sort of Ribes
rubrum) enclosed by the cells of the epiderm, though
they are here much less developed — it becomes
detached by the dissolving of the epidermis cells

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Ribes rubrum

may 1862
& June

full grown but unripe seed

×5

×60

75 ½

×60

epidermis, easily separated very thin & transparent.

over

somewhat cordate arillus

testa already transparent, thick.

surface of unripe seed

cells after the separation of the epidermis

×415

×5

lobed arillus, detached

Mass of seeds from below (shape usually on lower side, but irregular.)

Arillus unshaped, lobed consisting of mass of (Placenta &) funiculus attached to & growing from

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singular structure, inner coating membrane of fruit
coating the ovarian cavity, hard, crustaceous,
in the ripe fruit breaking to pieces

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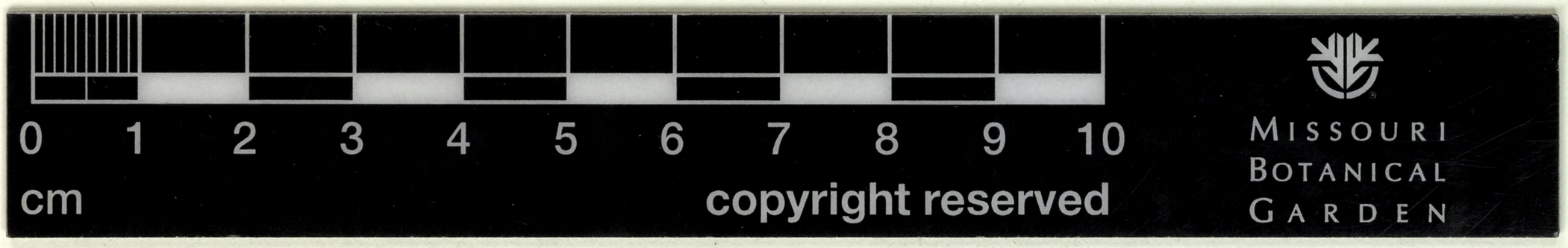


Ribes nigrum

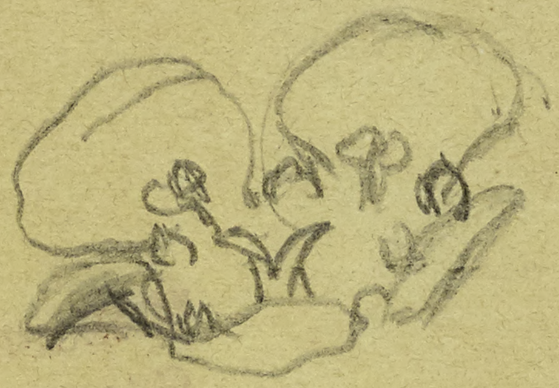
both Cultivs

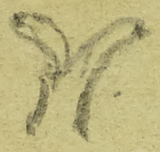
April 1860

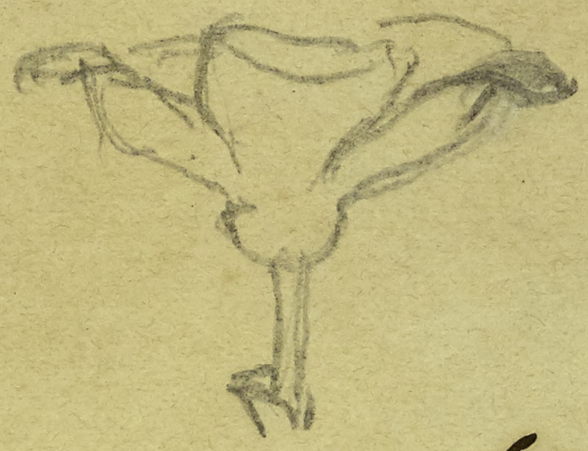
Ribes rubrum

755

abt X 4







oblong lobes of calyx a little longer than the spatulate emarginate or dentate petals a little shorter than tube, twice as long as ovary; stamens as long as petals style smooth, entire stigma large, bilobed.

orbicular obovate lobes of calyx very much longer than the very short open tube (paler) and the minute petals & short stamens; and ovary stamens longer than petals; styles united to the middle divaricate smooth.

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Ribes
April 1860

756

Ribes glutinosum?
Cult
English gooseberry

ovate oblong bracteate
Fl calyx longer the
ventricose or globose tube
longer the ovary, the filaments
& styles.
spreading obtuse petals 1/3 of
length of calyx
stamens 1/3 of length
styles as long or usually a little
longer. Divided almost to base

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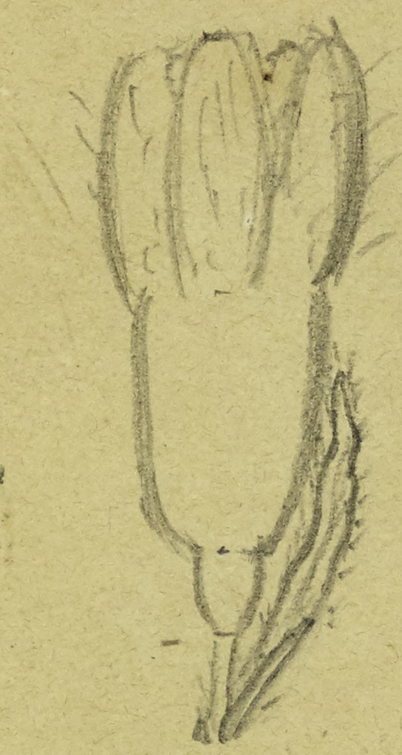
Ribes floridum L'Her. June 1862

X4

757



Fort Pierre

St Louis

tube naked inside
lobes about equal to tube
somewhat longer than petals
stamens equal to petals
style bifid at tip

perfectly equal to R. nigrum.

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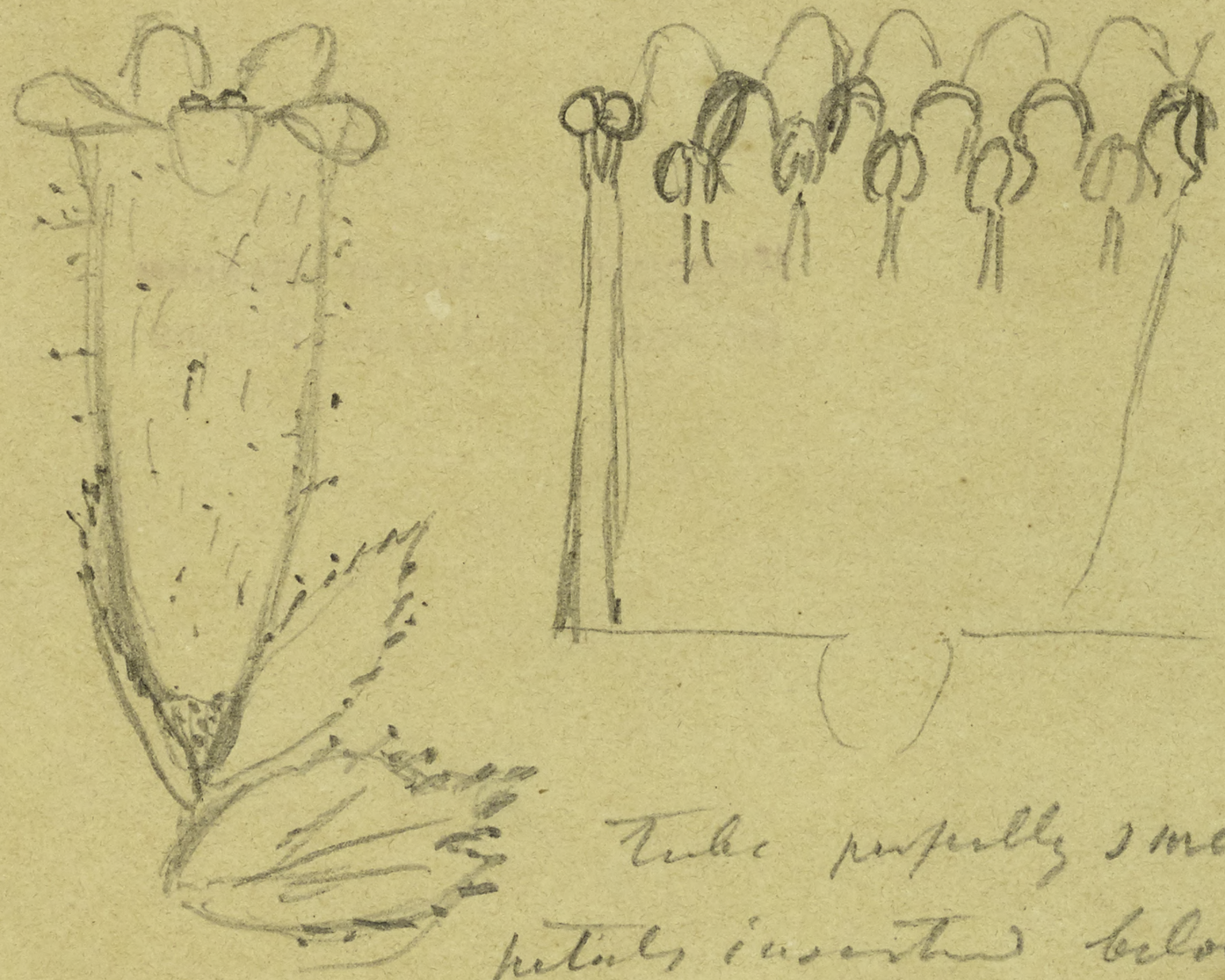
Rubus Cereum (Torrey) June 1862

x 4

758



Tube pretty smooth inside
petals inserted below the throat
obovate mucilate, s
Stamens short, inserted below
style naked, divided only at tip
stigm. large globose

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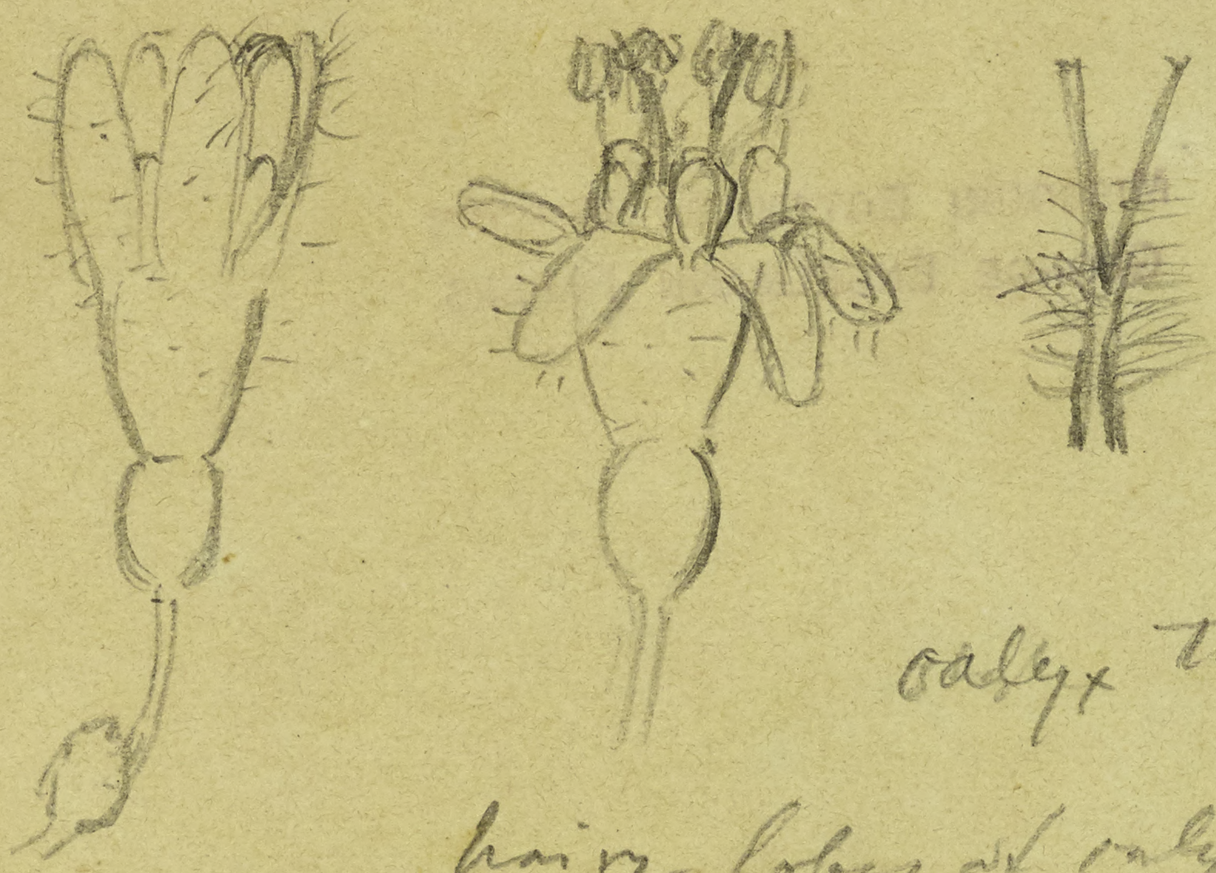
Ribes inigrum Jacq.
Zenster

June 1862

x4



scarcely distinct from
R. hirtellum

759

calyx tube villous & thyrsoid only

having lobes of calyx longer than funnel-shaped tube, much longer than ovary (twice as long)
broadly obovate spatulate petals nearly half as long as lobes
stamens & style a little short than lobes
style divided beyond the middle very hairy part

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Ribes rotundifolium

760

Hab
Lobes of Calyx tubes ~~ovate~~ inside
lobes of Calyx hirsute obtuse
twice as long as tube or
as long as tube & ovary together
petals obtuse spatulate half
as long as lobes
Plants & style erect.
(two as long as lobes of calyx
Style hairy below, less than ½
Seed 2, at length longer than
stamens.

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